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TECHNICAL BULLETIN

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Digital Data Exchange for Projects

FDM Chapter 19-10-43 identifies the requirements and procedure for the submittal of digital data to the district once the project has been completed. For consultant designed projects, consultants shall comply with the requirements for all projects whose contracts are written after November 1, 2000 with the exception of the requirements dealing with graphical information using MicroStation DGN file which became effective only for consultant contracts written after November 1, 2001.

At the time of PS&E, the consultant shall submit a preliminary list of the electronic data files to the district project manager. The submittal can be a hard copy or electronic copy of the form shown in Figure 1 of FDM 19-10-43. Direction for acquiring the form is also found in this FDM chapter.

The district project manager will review the preliminary list and provide feedback to the consultant on any additional files that are needed but not shown on the preliminary list. After the PS&E has been reviewed by the Central Office plan checkers and corrections made, the consultant shall submit the electronic project data files on a read-only compact disc to the project manager. **This submittal should be approximately 5 weeks prior to the let date.** Consultants shall submit both the preliminary list and the final metadata sheets with the compact disc to the district project manager. The project manager will again review the submittal for completeness and then forward the final metadata sheets and CD to the District CAiCE Coordinator for check in. The coordinator will verify the data, ask for corrections, if needed, place accepted data into the CADDs electronic filing cabinet and return to the project manager an updated metadata sheet and a electronic data confirmation document.

For WDOT designed projects, WDOT staff should contact the CAiCE Coordinator for the procedure in providing the digital data.

For questions contact Craig Ostovich at (262) 548-8762 or by email at craig.ostovich@dot.state.wi.us.

New Aggregates Items

With the rollout of the 2003 Standard Specifications (Gray Book), some new bid items have been added with respect to aggregates. Most are already aware of the renaming changes to the old Crushed Aggregate Base Course and Open Graded Base Course, but other items have sprung up with little clarity as to when each should be used. These items are:

311.0110, 311.0115	Breaker Run	TON, CY
312.0110, 312.0115	Select Crushed Material	TON, CY
313.0110, 313.0115	Pit Run	TON, CY

Each material has a different gradation as shown below.

Sieve Size	Breaker Run Percent Passing (by weight)	Select Crushed Material Percent Passing (by weight)	Pit Run Percent Passing (by weight)	Base Aggregate, Dense, 3-Inch Percent Passing (by weight)
6-Inch (150mm)	100			
5-Inch (125mm)		90 – 100		
3-Inch (75mm)				90 – 100
1½-Inch (37.5mm)		20 – 50	50*	60 – 85
¾-Inch (19.0mm)				40 – 65
No. 4 (4.75mm)				15 – 40
No. 10 (2.00mm)		0 - 10		10 – 30
No. 40 (425um)				5 – 20
No. 200 (75 um)				2.0 – 12.0

* The maximum size of an individual piece cannot be more than 2/3 of the specified layer thickness.

The gradation used for the select Crushed Material is similar to the Breaker Run spec in the 1996 spec book.

Designers should consult with the District Soils Engineer to identify which bid item to use in projects based on the availability of the material and use on the project.

Contract Time for Completion Form

Per FDM Transmittal 318, a new Contract Time for Completion chart has been developed. An address is shown in FDM Chapter 19-10-30 where WisDOT staff can access the new chart. **It is not mandatory to use this chart.** D2 has had two electronic time charts available for some time, one for contracts less than 130 working days and one for contracts less than 260 working days. WisDOT staff can access the D2 time charts at *N:\templates\PSE*. The file names are Contract Time_130.xls and Contract Time_260.xls. The revision dates on the D2 charts are 5/21/98 and 6/7/98, respectively. Consultants wishing to use either the District 2 charts or the Central Office chart should contact their WisDOT project manager prior to their PS&E to insure they have the most current charts.



Designers should consult with the District Soils Engineer to identify which bid item to use in projects based on the availability of the material and use on the project.



Member Update

A look at the policies and procedures at Wisconsin's one-call center

Planning Purpose Tickets:

Making Sure Tickets are Handled Correctly

There has been some recent confusion about planning purpose tickets by both contractors and Diggers Hotline members.

As we prepare for the upcoming digging season, it is a good time to reexamine the intent of planning purpose tickets, as well as the proper way for members to respond to one.

Planning purpose tickets give excavators who are not yet intending to dig a means of finding out the locations of buried facilities. Rather than calling in a standard three-day locate request, excavators are entitled to call in 10-day planning purpose tickets.

Although no excavation is allowed on a planning purpose ticket, it is still important for Diggers Hotline members to follow through and complete their responsibilities associated with these tickets. Each stakeholder in the damage prevention process – excavator, one-call center and member – has requirements under the state law. By not

“By not responding to planning tickets, members are not upholding their statutory requirements.”

responding to planning tickets in a timely fashion, or even at all, members are not upholding their statutory requirements.

Members' responsibilities with regards to

planning purpose tickets are detailed in the state law, the Diggers Hotline list of Member Responsibilities and the Excavators' Guide to Diggers Hotline. All three sources have the same thing to say about how members

should respond to a planning purpose ticket.

State Statute 182.0175 dictates that after receiving a planning purpose locate,

“Frustrated by the lack of response to planning tickets, excavators turned to filing standard 3-day tickets for their pre-construction work.”

members are required to respond to the notice within 10 days by conducting field markings, providing records and taking other appropriate responses.

But what does this mean?

When a facility owner joins Diggers Hotline, they are given a list of Member Responsibilities. This list states that members should mark the location of their facilities at the job site, provide the caller maps/drawings showing the location of your facilities in or near the work site, and mark the location of your facilities in or near the work site on maps/drawing provided by the caller.

Diggers Hotline members not responding to planning tickets was a complaint heard often during 2003. Frustrated by the lack of response to planning tickets, excavators turned to filing standard three-day tickets for their pre-construction work.

While two wrongs do not make a right, this illustrates what can happen when one part of the damage prevention process breaks down.

Send the Right Message about Ticket Lifespan

How long is a Diggers Hotline ticket good for? 10 days, right? Wrong.

Only two things make a ticket invalid:

- Work does not begin within 10 calendar days of the legal start date and time.
- Work is interrupted for more than 10 calendar days.

As long as work begins within the 10-day window after the start date and time and there are no stoppages of work of 10 or more days, the ticket remains valid. Relocates can be called in if the marks need to be refreshed due to age, weather or construction activity. But automatic relocates are not required every 10 days.

For over three years, the Diggers Hotline Operating Committee has been tracking potential relocate abuse and meeting with excavators who seem to be filing a large amount of relocates. Out of about 20 companies that have met with the committee, the majority did not have a good understanding of ticket lifespan. The majority of the misinformed companies cited information coming from a Diggers Hotline member company or locator as the reason for their misunderstanding.

If your company is distributing any information about Diggers Hotline, its policies or procedures we would be more than happy to review those materials prior to distribution. If you would like brochures, flyers, handouts, scripts, posters, etc. reviewed, contact Public Relations Coordinator Chad Krueger at (800) 982-0299 ext. 204 or e-mail at ckrueger@diggershotline.com.

Exporting CAiCE Points into SDMS Format

In CAiCE version 10 there is a macro within the Toolbox Explorer that will write out this file. The steps within CAiCE are:

- **Open Toolbox Explorer-click on Toolbox Explorer-**
- **double click on “WisDOT Survey Toolbox”-**
- **double click “Export Utilities”-**
- **double click “Export Points to SDMS Control File”-**
- **Select the control points you want – Save the file.**

You will have to add the Header information by editing the file created in CAiCE. Also check for redundant point numbers.

District 2 staff can access on the intranet a two page PDF file which contains detailed procedures at: http://dotnet/cae_dtd/D2/caice/exporting_points.htm

If you have questions about the accepted District 2 WISDOT **SDMS CTL file** format or the WisDOT Survey Toolbox contact the D2’s Caice Coordinator or D2’s Construction Survey Coordinator.

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D2 Construction Survey Coordinator
262-548-6737

Craig Ostovich
D2 Caice Coordinator
262-548-8762

Special points of interest:

To find recent information on highway development, construction, operations for district and central office staff as well as consultants, contractors and local transportation engineers use the link below to access “Putting Research to Work”.

<<http://www.dot.wisconsin.gov/library/publications/format/newsletters/rdt.htm>>



**INCREASING
PRODUCTIVITY**

Asphaltic Material PG

As part of the new 2003 bid items and Standard Specification, new bid items have been created for each of the Performance Grade Asphaltic Materials (AC). See bid items on the right:

The old Standard Special Provision (STSP) 405-005, *Asphaltic Material for Plant Mixes* has been deleted as part of the 2003 Standard Specification roll out. The asphaltic material to be used is now designated solely by the item number in the contract. If the project has multiple AC types, designers need to identify which AC type is to be used for each HMA pavement or lift. A logical place to add this information would be at the same location where the HMA

pavement lifts are identified, which is typically the General Notes sheet in the plans. The quantity in tons of AC is typically determined as being six percent of the HMA tonnage using that performance grade AC.

To determine which AC type is to be used, designers should refer to FDM Chapter 14-10-5 or contact Todd Peschke, District 2 Pavement Engineer, at (262) 548-5696, or by email at todd.peschke@dot.state.wi.us.

Item Number	Description	Unit
455.0105	Asphaltic Material PG58-28	TON
455.0110	Asphaltic Material PG58-34	TON
455.0115	Asphaltic Material PG64-22	TON
455.0120	Asphaltic Material PG64-28	TON
455.0125	Asphaltic Material PG70-28	TON
455.0205	Asphaltic Material PG58-28	GAL
455.0210	Asphaltic Material PG58-34	GAL
455.0215	Asphaltic Material PG64-22	GAL
455.0220	Asphaltic Material PG64-28	GAL
455.0225	Asphaltic Material PG70-28	GAL